

Data Validation Report

Data Review Results

Mon, 11 Jan 2016 11:52:40

Lab Code: BON

SDG: MF6R32

Contract: EPW14029

Submission Group Id: 30116601

Lab Name: Bonner Analytical Testing Co.

Case: 45671

Client: EPA Region 6

SOW: ISM02.3

HoldingTimes_Preservation

NONE FOUND

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TUNE

NONE FOUND

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Initial Calibration

NONE FOUND

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ContinuingCalibrationVerification

NONE FOUND

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SOW: ISM02.3

Blanks

Method - Metals by ICP-MS

Test Name: EXES-1342

Defect Message: The following samples have analyte results less than or equal to CRQLs. The associated CCB analyte results are less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Associated Samples: MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47

Antimony	MF6R46, MF6R42, MF6R45, MF6R47
Cobalt	MF6R46
Copper	MF6R45
Silver	MF6R42, MF6R44, MF6R32
Thallium	MF6R44, MF6R32

Test Name: EXES-476

Defect Message: The following samples have analyte results less than or equal to CRQLs. The associated ICB analyte results are less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Associated Samples: MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47

Antimony	MF6R46, MF6R47, MF6R45, MF6R42
Silver	MF6R32, MF6R44, MF6R42
Thallium	MF6R44, MF6R32

Test Name: EXES-478

Defect Message: The following samples have analyte results greater than CRQLs. The associated ICB analyte results are less than or equal to CRQLs. Use Professional Judgement to qualify detects.

Associated Samples: MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47

Aluminum	MF6R47, MF6R46, MF6R32, MF6R44, MF6R42
Antimony	MF6R44, MF6R32
Arsenic	MF6R42, MF6R32, MF6R45, MF6R46, MF6R47, MF6R44
Barium	MF6R44, MF6R32, MF6R45, MF6R42, MF6R46, MF6R47
Beryllium	MF6R32
Calcium	MF6R42, MF6R32, MF6R47, MF6R44, MF6R45, MF6R46
Chromium	MF6R44, MF6R32

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Submission Group Id: 30116601

Lab Name: Bonner Analytical Testing Co.

Case: 45671

Client: EPA Region 6

SOW: ISM02.3

Test Name: EXES-478**Defect Message: The following samples have analyte results greater than CRQLs. The associated ICB analyte results are less than or equal to CRQLs. Use Professional Judgement to qualify detects.****Associated Samples: MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47**

Cobalt	MF6R32, MF6R44, MF6R42, MF6R45, MF6R47
Copper	MF6R46, MF6R32, MF6R42, MF6R44, MF6R47
Iron	MF6R46, MF6R42, MF6R32, MF6R47, MF6R44, MF6R45
Lead	MF6R47, MF6R46, MF6R44, MF6R42, MF6R32
Magnesium	MF6R32, MF6R44, MF6R45, MF6R46, MF6R42, MF6R47
Manganese	MF6R42, MF6R32, MF6R45, MF6R46, MF6R47, MF6R44
Nickel	MF6R42, MF6R46, MF6R47, MF6R32, MF6R44
Potassium	MF6R44, MF6R47, MF6R42, MF6R45, MF6R46, MF6R32
Selenium	MF6R32
Sodium	MF6R42, MF6R44, MF6R32, MF6R45, MF6R47, MF6R46
Vanadium	MF6R44, MF6R32
Zinc	MF6R32, MF6R46, MF6R44, MF6R42, MF6R47

Test Name: EXES-479**Defect Message: The following samples have analyte results greater than CRQLs. The associated CCB analyte results are less than or equal to CRQLs. Use Professional Judgement to qualify detects.****Associated Samples: MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47**

Aluminum	MF6R47, MF6R32, MF6R46, MF6R44, MF6R42
Antimony	MF6R32, MF6R44
Arsenic	MF6R32, MF6R47, MF6R42, MF6R45, MF6R46, MF6R44
Barium	MF6R44, MF6R32, MF6R45, MF6R42, MF6R46, MF6R47
Beryllium	MF6R32
Calcium	MF6R45, MF6R47, MF6R44, MF6R32, MF6R46, MF6R42
Chromium	MF6R44, MF6R32
Cobalt	MF6R47, MF6R42, MF6R32, MF6R45, MF6R44
Copper	MF6R47, MF6R46, MF6R32, MF6R44, MF6R42
Iron	MF6R46, MF6R42, MF6R32, MF6R47, MF6R45, MF6R44
Lead	MF6R46, MF6R32, MF6R47, MF6R42, MF6R44
Magnesium	MF6R32, MF6R44, MF6R45, MF6R42, MF6R47, MF6R46
Manganese	MF6R47, MF6R46, MF6R42, MF6R32, MF6R44, MF6R45
Nickel	MF6R44, MF6R42, MF6R46, MF6R47, MF6R32
Potassium	MF6R42, MF6R45, MF6R47, MF6R44, MF6R32, MF6R46
Selenium	MF6R32
Sodium	MF6R32, MF6R42, MF6R45, MF6R47, MF6R44, MF6R46
Vanadium	MF6R32, MF6R44
Zinc	MF6R42, MF6R44, MF6R46, MF6R32, MF6R47

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Case: 45671

Client: EPA Region 6

SOW: ISM02.3

Test Name: EXES-508**Defect Message:** The following samples have analyte results greater than CRQLs. The associated PB analyte results are less than or equal to CRQLs. Use Professional Judgement to qualify detects.**Associated Samples:** MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47

Antimony	MF6R32, MF6R44
Arsenic	MF6R42, MF6R45, MF6R44, MF6R46, MF6R47, MF6R32
Barium	MF6R44, MF6R32, MF6R45, MF6R47, MF6R42, MF6R46
Chromium	MF6R32, MF6R44
Copper	MF6R47, MF6R42, MF6R46, MF6R32, MF6R44
Iron	MF6R44, MF6R45, MF6R47, MF6R46, MF6R42, MF6R32
Lead	MF6R42, MF6R32, MF6R44, MF6R46, MF6R47
Nickel	MF6R46, MF6R47, MF6R44, MF6R32, MF6R42
Potassium	MF6R47, MF6R42, MF6R45, MF6R46, MF6R44, MF6R32
Sodium	MF6R32, MF6R47, MF6R46, MF6R42, MF6R44, MF6R45

Method - Mercury by Cold Vapor

Test Name: EXES-480**Defect Message:** The following samples are associated with CCB that has analyte results less than or equal to (-MDLs) but greater than or equal to (-CRQLs). Use Professional Judgement to qualify detects and nondetects.**Associated Samples:** MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47

Mercury	MF6R45, MF6R42, MF6R32, MF6R46, MF6R47, MF6R44
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Test Name: EXES-549**Defect Message:** The following samples are associated with PB that has analyte results less than or equal to (-MDL) but greater than or equal to (-CRQL). Use Professional Judgement to qualify detects and nondetects.**Associated Samples:** MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47

Mercury	MF6R45, MF6R42, MF6R32, MF6R46, MF6R47, MF6R44
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Lab Code: BON**SDG: MF6R32****Contract: EPW14029****Submission Group Id: 30116601****Lab Name: Bonner Analytical Testing Co.****Case: 45671****Client: EPA Region 6****SOW: ISM02.3**

InterferenceCheckSample

NONE FOUND

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SDG: MF6R32

Contract: EPW14029

Submission Group Id: 30116601

Lab Name: Bonner Analytical Testing Co.

Case: 45671

Client: EPA Region 6

SOW: ISM02.3

LaboratoryControlSample

NONE FOUND

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Contract: EPW14029

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Lab Name: Bonner Analytical Testing Co.

Case: 45671

Client: EPA Region 6

SOW: ISM02.3

MatrixSpikes

NONE FOUND

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Contract: EPW14029

Submission Group Id: 30116601

Lab Name: Bonner Analytical Testing Co.

Case: 45671

Client: EPA Region 6

SOW: ISM02.3

SerialDilution

Method - Metals by ICP-MS

Test Name: EXES-1334

Defect Message: The following samples are associated to the Serial Dilution sample with analyte absolute value %D >10% and the original sample result is > 50xMDL.

Detects are qualified as estimated J. Non-detects are qualified estimated UJ.

Associated Samples: MF6R32, MF6R42, MF6R44, MF6R45, MF6R46, MF6R47

Aluminum	MF6R42L
Sodium	MF6R42L

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Contract: EPW14029

Submission Group Id: 30116601

Lab Name: Bonner Analytical Testing Co.

Case: 45671

Client: EPA Region 6

SOW: ISM02.3

InternalStandard

NONE FOUND

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Lab Name: Bonner Analytical Testing Co.

Case: 45671

Client: EPA Region 6

SOW: ISM02.3

DetectionLimit

Method - Metals by ICP-MS

Test Name: EXES-790

Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: MF6R32, MF6R42, MF6R42L, MF6R44, MF6R45, MF6R46, MF6R47, PBW01

Aluminum	MF6R42L
Antimony	MF6R46, PBW01, MF6R47, MF6R42, MF6R42D, MF6R45
Arsenic	PBW01, MF6R42L
Barium	MF6R42L, PBW01
Beryllium	MF6R44
Cadmium	MF6R46, MF6R42D, MF6R42, MF6R32, MF6R47, MF6R44
Chromium	MF6R46, MF6R47, MF6R45, MF6R42, MF6R42D, PBW01
Cobalt	MF6R46
Copper	MF6R45, MF6R42L, PBW01
Iron	PBW01
Lead	PBW01, MF6R45
Nickel	MF6R45, MF6R42L, PBW01
Potassium	PBW01
Selenium	MF6R44, MF6R42L
Silver	MF6R44, MF6R42D, MF6R42, MF6R32
Sodium	PBW01
Thallium	MF6R42D, MF6R32, MF6R44, PBW01
Vanadium	MF6R47, MF6R42D, MF6R42, MF6R46
Zinc	MF6R45

Method - Mercury by Cold Vapor

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Lab Code: BON

SDG: MF6R32

Contract: EPW14029

Submission Group Id: 30116601

Lab Name: Bonner Analytical Testing Co.

Case: 45671

Client: EPA Region 6

SOW: ISM02.3

Test Name: EXES-790

Defect Message: The following samples have analyte results greater than or equal to detection limit (MDL) and below quantitation limit (CRQL). Detects are qualified as estimated J.

Associated Samples: MF6R32

Mercury	MF6R32
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Lab Name: Bonner Analytical Testing Co.	Case: 45671	Client: EPA Region 6	SOW: ISM02.3

Duplicates

NONE FOUND

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Client: EPA Region 6

SOW: ISM02.3

SampleAnalysis

NONE FOUND